

Supplementary Table S1. Dataset used for analysis of variance and machine learning research.

Medium	Dose (mg L ⁻¹)	Replication	TNR	LRL	ARL	NMR	NS	SL	SD	LW	LL
MS	0IBA	1	4.2	46.4	46	1	1.2	29.4	2	4.8	9.6
MS	0IBA	2	6.6	56.2	54.62	1	1.4	32.2	2	5	10.2
MS	0IBA	3	8.2	58.6	58.73	1.4	1.6	52.94	2	7.8	15
MS	0.5IBA	1	19.2	70.26	45.4	1.5	3.8	40.56	2	7.4	11.6
MS	0.5IBA	2	20.4	80.27	50.2	2	4	58	2.4	8	12.8
MS	0.5IBA	3	26	90.28	60	2.2	4.8	58.6	2.5	8.5	14
MS	1IBA	1	22.66	38.4	35.8	1.6	4	44.2	1.8	6.6	10.8
MS	1IBA	2	26.2	59.2	45.2	2.2	4.6	49.6	2	9	13.4
MS	1IBA	3	30.4	61.2	52	2.6	5.2	53.6	2.2	9	15.2
MS	1.5IBA	1	11.2	36.5	31.2	1.6	2.6	35.6	2	5	9.2
MS	1.5IBA	2	19.4	39.8	37.2	2	2.6	45	2	7	10.6
MS	1.5IBA	3	24	65.75	52.2	2	3.6	60.4	2	7.6	12
MS	2IBA	1	24.8	63	49	1.8	4	44.4	2	4.4	10.4
MS	2IBA	2	30.8	53.2	41.2	2.2	5.2	63.4	2.4	6	10.6
MS	2IBA	3	30	79.8	50	2.4	5	72.2	2.6	8.8	17.8
WPM	0IBA	1	10.6	30.8	26.2	1	1.2	33.6	1.8	4.8	10
WPM	0IBA	2	12.8	41.2	37.6	1	1.6	34.4	2	4.8	10.4
WPM	0IBA	3	14	49.6	40.54	1.2	1.8	38	2	5.2	12.4
WPM	0.5IBA	1	23.42	90.92	53.87	1.83	4.64	49.48	2.44	9.03	14.15
WPM	0.5IBA	2	24.89	97.93	61.24	2.44	4.88	70.76	2.93	9.76	15.62
WPM	0.5IBA	3	31.72	104.92	74.72	2.68	5.86	71.49	3.05	10.37	17.08
WPM	1IBA	1	25.11	46.85	43.68	1.95	4.88	53.92	2.2	8.05	13.18
WPM	1IBA	2	31.96	72.22	55.14	2.68	5.61	60.51	2.44	10.98	16.35
WPM	1IBA	3	39.63	74.66	63.44	3.17	6.34	65.39	2.68	10.98	18.54
WPM	1.5IBA	1	13.66	44.53	38.06	1.95	3.17	43.43	2.44	6.1	11.22
WPM	1.5IBA	2	23.67	48.56	45.38	2.44	3.17	54.9	2.44	8.54	12.93
WPM	1.5IBA	3	29.28	80.22	63.68	2.44	4.39	73.69	2.44	9.27	14.64
WPM	2IBA	1	26.5	83.66	51.48	2.2	4.66	54.17	2.44	5.37	14.69
WPM	2IBA	2	37.58	64.9	50.26	2.68	6.34	77.35	2.93	7.32	12.93
WPM	2IBA	3	40.36	90.56	69.3	2.93	6.32	88.08	3.17	10.74	19.72

Total number of roots (TNR), longest root length (LRL) (mm), average root length (ARL) (mm), number of main roots (NMR), number of siblings (NS), shoot length (SL) (mm), shoot diameter (SD) (mm), leaf width (LW) (mm), leaf length (LL) (mm), MS (Murashige and Skoog), WPM (woody plant medium), and IBA (indole-3-butyric acid).